

D&D Subgroup Highlights

December 9, 1997

This meeting was held in the EESB Stampede Room.

X-Change 97 Reports

Jim Goodenough stated that a meeting was held of the Hanford attendees before the symposium to focus on the goals and objectives of attending the event. He said this group needs to determine what to do with the information gained from the symposium. Shannon Saget stated that she made contacts with people doing work in the U.S. and Taiwan that was similar to the C-Reactor demonstration. She agreed to share information about the C-reactor work with them. Jerry White suggested a meeting be held of all who attended the symposium because each individual attended different sessions. Wayne Green suggested that each person who went write up a summary report not to exceed one page.

Shannon Saget distributed fact sheets that FETC has made available. These Industry Market Information Sheets detail the DOE Site technology needs and DOE near-term plans for various D&D areas such as asbestos management, facility characterization, monitoring and detection, etc. Shannon suggested we use these sheets to link up with other Sites who have similar needs to ours. These sheets will help industry identify our needs also. If there are any errors in regards to Hanford data, please let Shannon know and she will relay the message to FETC.

Jim Goodenough learned that Mound has been selected as the site for the next DDFA large-scale demonstration. The work at Mound is to D&D a tritium processing facility. The question was raised as to whether we should help them based on our C-Reactor experience. Jim will talk to the DDFA and perhaps invite the Mound group to visit us. Shannon also mentioned that the DDFA is still discussing if they should give Sandia funding for glovebox clean-up. Shannon also distributed copies of the DDFA FY97 Annual Report and the November 1997 update on DDFA activities. All persons from Hanford who attended the X-Change Symposium are asked to submit their trip reports to Jim Goodenough to be included in a lessons learned write-up.

Laser Demonstration Presentation Update

Wayne Green stated that a panel of PNNL and BWHC personnel will present an overview of the laser demonstration project and talk about lessons learned. This will take place at the December STCG Management Council meeting on December 17. The panel group met yesterday and had a dry-run. Jim Buelt (PNNL) is preparing view graphs for this presentation. Wayne also mentioned that a laser light ablation company, Exitec, is meeting with him tomorrow and Wayne wants anyone interested in meeting with them to contact him ASAP. This technology has been demonstrated at Florida International University and at HAMMER. This company is interested in working with us. Wayne mentioned that we should be able to put different end-effectors on our laser cutter to make it an ablation device.

Miscellaneous Updates

Greg Eidam stated that 20 technologies will be tested at C-Reactor. Twelve are done already with eight more to be finished by the end of the fiscal year. They are still looking at others to test also. An example of a new technology is the oxy-gasoline torch which was transferred from Fernald to be tested at C-Reactor.

Wayne Green said that the vendor of the radiation sensing glasses will be ready in February to work at Hanford. This device, which we have obtained the patent information on, is a back-up device to sense radiation levels and is to be used by workers in radiation zones to warn them of dangerous areas.

Jim Goodenough and Shannon Saget talked about the GATE process used by DOE EM-50 to identify where a technology is in the development process. Jim urged all subgroup members to read the report on the GATE process that was sent out to everyone.

Canyon Disposition Initiative

Jerry White stated that the Hanford work plan for this initiative was presented to FETC at the X-Change 97 Symposium. It was decided at that meeting that the DDFA and the Robotics Cross-Cutting FA would jointly fund this work. FETC would contribute \$500K this FY for characterization work and Robotics would fund \$500K to \$1 million this FY. They are trying to get funding into the January financial plan so the initiative can begin. At the meeting the Hanford TTP milestones were laid out and discussed also. In-kind support or matching funding is also needed from EM-40/30/60 at Hanford to proceed with this effort. Jerry White has a meeting set up on this tomorrow. More funding from FETC and the Robotics groups will be forthcoming next FY, depending upon what is accomplished this FY. The DDFA likes the idea of being a partner all the way through the process, including doing the ROD. They would also help select technologies to be demonstrated and deployed. Bob Rosselli will meet with the other Hanford AMs involved to get the Site support needed for this effort. In particular, EM-30 needs to be involved, so a meeting on December 15 has been scheduled with them.

TDI Preparation

The latest word is that the call for TDI proposals this FY will be issued in March. We may not submit a glovebox cleanout proposal this time, due to a lack of matching Site funding. It was discussed whether Hanford should propose funding for a laser ablation and cutting system. Jerry White suggested that we work with INEEL to see what they are looking for in TDI proposals before the call comes out. Jerry is going to INEEL in January for a meeting and will try to set up a meeting with the TDI folks while he is there.

We need to examine why our TDI proposals were not funded last time. Jerry mentioned the need to be able to start on October 1 as one problem our proposals had as well as the fact that we didn't really know what the reviewers were looking for. In addition, the smaller DOE Sites had better cost information and more flexibility in their schedules than we did.

FY98 Individual Goals

Jim Goodenough asked each subgroup member to describe what their individual goals were with regards to this subgroup for this year. Jim stated that he plans to focus on partnerships with other DOE Sites, the DDFA, the Robotics group, etc.

Robin Duncan had three goals this year: to get the facility/project engineers more involved with new technologies, to work with vendors to support our needs without much development, and to work with Florida International University on new technologies and new R&D projects.

Wayne Green had the following three goals: to use his contacts in the chemical process industry to help us, to work close with the project guys in the field, and to interact with the MW and other subgroups from a technical standpoint.

Bob Julian will serve as a devil's advocate and try to get the PHMC to do things more like BHI does now.

Gary Ballew will continue the industry outreach program to get new industrial partners and identify barriers and will work with the State on the new certification program.

Shannon Saget will work more closely with the Facility Transition group on-site, try to help transfer C-Reactor technologies to the rest of the Site, follow the laser cutter deployment, and try to help deploy technologies that save money.

Dave Langstaff will try to get out into the facilities to learn their needs and to find a place to demonstrate new technologies.

Jerry White will focus on C-Reactor and the other reactors, get the Canyon Initiative going, partner with INEEL, SRS, and DDFA, and do a better job on understanding how to work with the fund holders to get more money.

Gerry McCormick will try to utilize off-the-shelf technologies as much as possible and pursue new funding sources.

Mark Mitchell will help to get the laser cutter used on Site.

Kim Koegler will work more with this subgroup.

National STCG Update

Shannon Saget stated what she is helping to set the agenda for the next national meeting. She wants to identify two or three cross-cutting issues to discuss at this meeting that are common to many DOE sites. She would also like to start more informal discussions on common issues with other Site STCGs.

D&D Subgroup Attendees - 12/9/97

| | | |
|-----------------------|--------------|----------|
| Gary Ballew | PREC | 946-0611 |
| Ron Borisch | BWHC372-3382 | |
| Robbin Duncan | BWHC373-2229 | |
| Greg Eidam | BHI | 373-3818 |
| Jim Goodenough | DOE | 376-0893 |
| Wayne Green | FDH | 372-6533 |
| Bob Julian | Ecology | 736-5702 |
| Kim Koegler | BHI | 372-9294 |
| David Langstaff | DOE | 376-5580 |
| Tina Masterson-Heggen | Ecology | 736-5701 |
| Gerry McCormick | BWHC372-8173 | |
| Mark Mitchell | PNNL | 372-4069 |
| Shannon Saget | DOE | 372-4029 |
| Steve Weakley | PNNL | 372-4275 |
| Jerry White | BHI | 372-9724 |